ar/

Notice of Allowability	Application No.	Applicant(s)
	10/654,403	OGISHIMA ET AL.
	Examiner	Art Unit
	Toan Ton	2871
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to		
2. The allowed claim(s) is/are <u>1-14.</u>		
3. The drawings filed on <u>09-04-03</u> are accepted by the Examiner.		
 4.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. 🗌 Notice of Informal Pa	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary (Paper No./Mail Date	(PTO-413),
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	8), 7. Examiner's Amendm	ent/Comment
4. Examiner's Comment Regarding Requirement for Deposit		nt of Reasons for Allowance
of Biological Material	9.	

Application/Control Number: 10/654,403

Art Unit: 2871

REASONS FOR ALLOWANCE

1. Claims 1-14 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record does not anticipate nor render obvious to one ordinary skilled in the art a liquid crystal display device comprising a combination of various elements as claimed, more specifically, the liquid crystal display device having a defined value for d/p between $0.0021(Vmax)^2$ -.0458(Vmax)+0.65 and $0.0021(Vmax)^2$ -0.0458(Vmax)+0.50, and said liquid crystal display device having a defined value for d_0/d_0 between $-0.00026(Vmax)^3$ +0.016(Vmax)²-0.2281(Vmax)+2.124 and -0.00026(Vmax)³+0.016(Vmax)²-0.2281(Vmax)+1.7603, where d/p is a ratio of a thickness d of the liquid crystal layer to a natural twist pitch p of a liquid crystal, Vmax [V] is a maximum applied effective voltage across the first electrode and the second electrode, and An is a refractive anisotropy of the liquid crystal layer.

Raynes ('753) discloses a liquid crystal display device comprising a particular relationship between a total retardance and operating voltages, however, Raynes fails to disclose/suggest particular parameters and relationships as recited in claim 1 above.

Plach ('798) discloses a liquid crystal display device comprising particular parameters of the \triangle n.d and d/p, however, Plach fails to disclose/suggest particular parameters and relationships as recited in claim 1 above.

Application/Control Number: 10/654,403

Page 3

Art Unit: 2871

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

CONCLUSION

The prior art made of record and not relied upon is considered pertinent to applicant's 2.

disclosure.

CONTACT INFORMATION

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Toan Ton whose telephone number is (571) 272-2303.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 9, 2004